



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

HERAEUS ELECTRO-NITE CO., LLC CALIBRATION FACILITY
 1418 East 86th Place
 Merrillville, IN 46410
 Tom Goad Phone: 215 944 9000

CALIBRATION

Valid To May 31, 2012

Certificate Number: 2299.01

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory to perform the following calibrations¹:

I. Electrical – DC & Low Frequency

Parameter/Equipment	Range	CMC ² (±)	Comments
DC Voltage – Measure	Up to 10 V	30 μV/V + 40 μV	HP 34420A
DC Voltage – Generate	Up to 10 V	30 μV/V + 40 μV	Generating w/ Fluke 743B, traceability w/ HP34420A
DC Current – Measure	Up to 30 mA	0.02 mA	Fluke 743B
DC Current – Generate	(2 to 22) mA	0.02 mA	Fluke 743B

II. Thermodynamics

Parameter/Equipment	Range	CMC ² (±)	Comments
Temperature – Measuring Equipment Ice Point Reference	0 °C	0.11 °C	Omega TRCIII

¹ This laboratory does not offer commercial calibration services.

² Calibration and Measurement Capability (CMC) is the smallest uncertainty of measurement that a laboratory can achieve within its scope of accreditation when performing more or less routine calibrations of nearly ideal measurement standards or nearly ideal measuring equipment. Calibration and Measurement Capabilities represent expanded uncertainties expressed at approximately the 95 % level of confidence, usually using a coverage factor of $k = 2$. The actual measurement uncertainty of a specific calibration performed by the laboratory may be greater than the CMC due to the behavior of the customer's device and to influences from the circumstances of the specific calibration.



The American Association for Laboratory Accreditation

World Class Accreditation

Accredited Laboratory

A2LA has accredited

HERAEUS ELECTRO-NITE CO., LLC CALIBRATION FACILITY

Merrillville, IN

for technical competence in the field of

Calibration

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2005 *General Requirements for the Competence of Testing and Calibration Laboratories*. This laboratory also meets any additional program requirements in the field of calibration. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (refer to joint ISO-ILAC-IAF Communiqué dated 8 January 2009).



Presented this 12th day of August 2010.

A handwritten signature in black ink, appearing to read "Peter Meyer".

President & CEO
For the Accreditation Council
Certificate Number 2299.01
Valid to May 31, 2012

For the calibrations to which this accreditation applies, please refer to the laboratory's Calibration Scope of Accreditation.